

Notice of Allowability

Application No.

09/897,383

Examiner

Liang-che Alex Wang

Applicant(s)

DESHPANDE ET AL.

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 4/16/2007.
2. ☒ The allowed claim(s) is/are 42-48 (renumbered as 1-7).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


SALEH NAJJAR
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1. Claims 42-48 are allowed.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Scott C. Krieger (Reg. No. 42,768) on 04/24/2007.
4. The application has been amended as follow:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 - 41 (cancelled).

42. (currently amended). A method for customized image display, said method comprising the acts of:

receiving an initial portion of a scalable image file, defining an image, at a client device, said scalable image file being hosted on a server and wherein said initial portion comprises at least one of parts of a main header, and at least one of a tile-part header and a packet header, said initial portion also comprising initial graphical image data defining at least a portion of said image with a reduced image characteristic;

receiving a user-selected image customization selection, related to said scalable

image file, from a user interface at said client device, wherein said selection designates an more detailed image characteristic than said reduced image characteristic;

determining at said client device, based on information in at least one of said headers in said initial portion, the bitstream location of at least one additional portion of said scalable image file that is required to render said user-selected image customization, wherein said additional portion is non-cumulative to said initial portion;

sending a request from said client device to said server requesting data at said bitstream location; ~~requesting said at least one additional portion of said scalable image file from said server using an HTTP request;~~

receiving said data at said bitstream location ~~at least one additional portion of said scalable image file from said server~~ in response to said HTTP request; and rendering said user-selected image customization at said client device.

43. (currently amended). A method as described in claim 42 wherein said reduced image characteristic is image quality ~~further comprising displaying said user-selected image customization at said client device.~~

44. (currently amended). A method as described in claim 42 wherein said reduced image characteristic is image resolution ~~the size of said initial portion is relative to the bandwidth of a connection between said server and said client device.~~

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45. (currently amended). A method as described in claim 42 wherein said server is an HTTP server initial portion comprises metadata comprising data selected from the group consisting of image quality data, scalability data, resolution data and ROI data.
46. (previously presented). A method as described in claim 42 wherein said scalable image file is a JPEG 2000 image file.
47. (previously presented). A method as described in claim 42 wherein said scalable image file comprises packets interleaved in a progression order selected from the group consisting of layer-resolution-component-position progressive, resolution-layer-component-position progressive, resolution-position-component-layer progressive, position-component-resolution-layer progressive and component-position-resolution-layer progressive.
48. (currently amended). A method as described in claim 42 wherein said request comprises an identification of said image file and at least one byte range identifying said bitstream location. ~~An apparatus for customized image retrieval, said apparatus comprising:~~
~~an image receiver for receiving an initial portion of a scalable image file at a~~
~~client device, said scalable image file being hosted on a server and~~
~~wherein said initial portion comprises at least one of a main header, a tile-~~
~~part header and a packet header;~~
~~a user interface for receiving a user-selected image customization selection,~~
~~related to said scalable image file, from a user interface at said client~~
~~device;~~

~~a processor for determining, based on information in at least one of said headers in said initial portion, at least one additional portion of said scalable image file that is required to render said user-selected image customization;~~
~~a requester for requesting said at least one additional portion of said scalable image file from said server using an HTTP request;~~
~~a portion receiver for receiving said at least one additional portion of said scalable image file from said server in response to said HTTP request; and~~
~~a renderer for rendering said user-selected image customization at said client device.~~

49-53 (canceled)


Reason for allowance

5. The following is an examiner's statement of reasons for allowance: the prior art of record does not teach a method for customized image display, which comprising the acts of receiving an initial portion of a scalable image file comprises parts of a main header and at least one of a tile-part header and a packet header, and initial graphical image data defining at least a portion of said image with a reduced image characteristic, and receiving a user-selected image customization selection which designates an more detailed characteristic than said reduced image characteristic and based on the information in one of said headers, determining at the client device, the bitstream location of at least one additional portion of said scalable image file, wherein said additional portion is non-cumulative to said initial portion in lights of other limitation described in independent claims 42.

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6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Liang-che Alex Wang whose telephone number is (571)272-3992. The examiner can normally be reached on Monday thru Friday, 8:30 am to 5:00 pm.
8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571)272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)..

Liang-che Alex Wang
April 25, 2007



SALEH NAJJAR
SUPERVISORY PATENT EXAMINER